ABB 1TGE102009R2300

01 Gateway configuration archive

1 Gateway configuration archive procedure

Use this stage for 1TGE102009R2300 at its assigned installation position. Capture the MLink application, CompactFlash identity, data map and enabled services. Record the R2300 serial execution and each network role.

2 Acceptance of gateway configuration archive

The archive identifies both hardware and application content, not only IP addresses. Record the observed result and any unresolved difference before progressing to the next applicable stage.

Stage record	Gateway configuration archive observations and acceptance result
Execution	Standard, non-redundant
DCS protocol	Modbus RTU / TCP

1TGE102009R2300

02 24 V connection check

1 24 V connection check procedure

Trace the supply terminal assignment and cabinet earth provisions. Check the available voltage with the gateway and associated equipment connected.

2 Acceptance of 24 v connection check

Supply polarity and loaded voltage match the intended 24 V installation. Record the observed result and any unresolved difference before progressing to the next applicable stage.

Stage record	24 V connection check observations and acceptance result
Serial hardware	RS232
Nominal supply	24 V DC

03 Port-role restoration

1 Port-role restoration procedure

Reconnect the internal switchgear bus, DCS interface and LAN2 control network according to their labels. Restore bus shielding and topology termination.

2 Acceptance of port-role restoration

Physical link indications correspond to the correct logical network and do not conceal crossed port roles. Record the observed result and any unresolved difference before progressing to the next applicable stage.

Stage record	Port-role restoration observations and acceptance result
Supply range	19-33 V DC
Typical current	1.0 A

04 Service and data-map test

1 Service and data-map test procedure

Verify the activated web or OPC functions and representative DCS values. Check cubicle identity and the meaning of mapped process data.

2 Acceptance of service and data-map test

The supervisory system receives the correct live information from the intended switchgear devices. Record the observed result and any unresolved difference before progressing to the next applicable stage.

Stage record	Service and data-map test observations and acceptance result
Maximum current	1.7 A
Control-network Ethernet	10/100 Base-T

1TGE102009R2300

05 Access and restart validation

1 Access and restart validation procedure

Review the approved network protections and test the configured restart path. Retain the final application and topology record for service.

2 Acceptance of access and restart validation

The gateway returns to its assigned role without unexpected access paths or missing services. Record the observed result and any unresolved difference before progressing to the next applicable stage.

Technical basis: ABB MNS iS Interface Manual MLink, 1TGC910127M0201 Release 5.4.

Related product navigation

ABB CI801 3BSE022366R1

ABB CI840A 3BSE041882R1

ABB CI860-CI860K01 3BSE032444R1

Related products for separate application assessment; verify the platform and interface. No interchangeability is implied.